

Status of KOPIO GEANT Monte Carlo

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1. My assessment of the KOPIO GEANT MC status.
2. Plan from MC to analysis

Rating system:

- 0 Nothing
- 1 Placeholder only
- 2 Somewhat realistic
- 3 More realistic
- 4 Realistic
- 5 Completed

No items rated higher than 3, the current goal.

Status

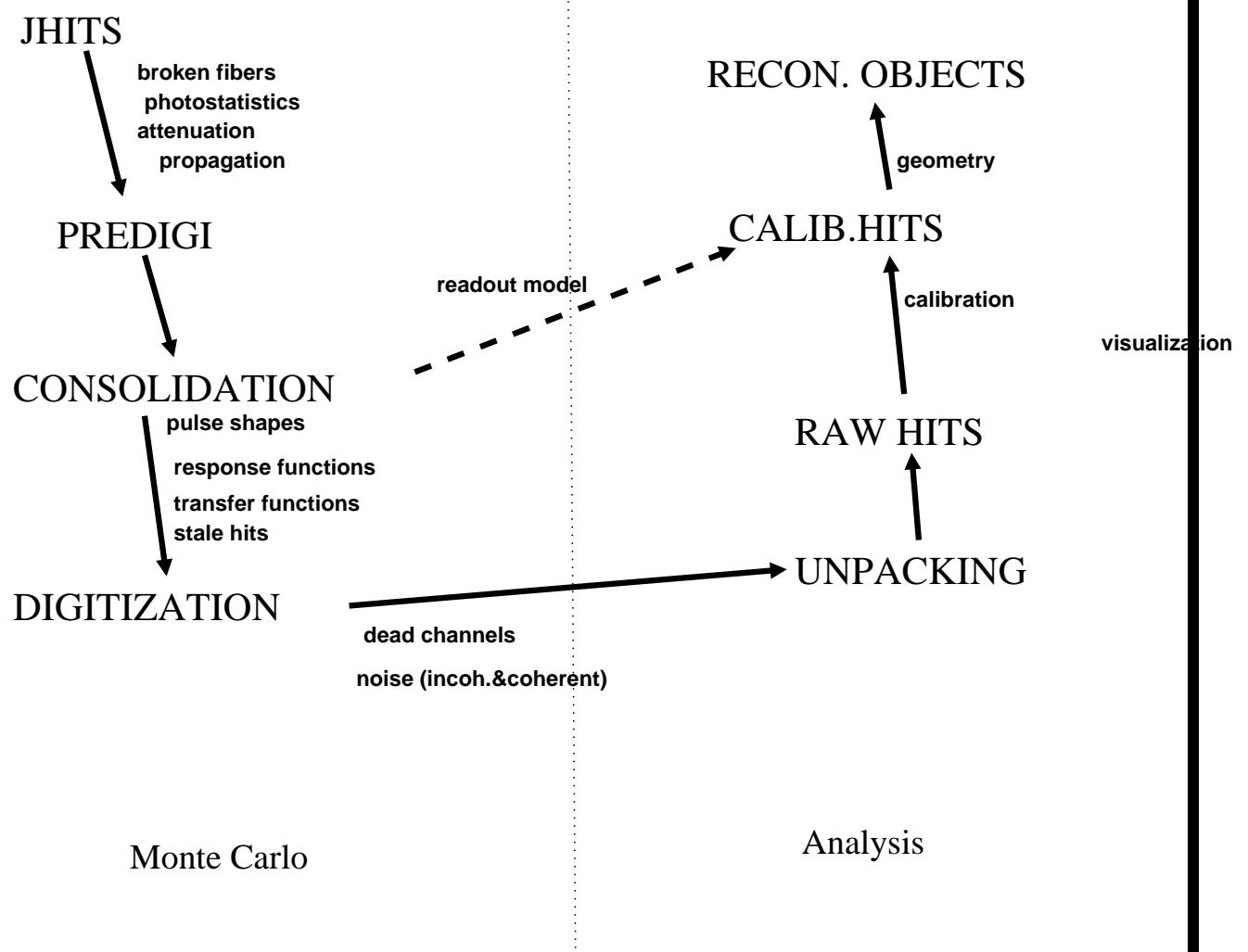
Item	Rating		
	28Feb03	8Jan04	Who
K_L modelling	1	3	BNL,Yale
n modelling	0	3	BNL
Collimators	1	3	Yale, BNL
B-fields	1	3	VTU, BNL
beam pipe	2	3	VTU, BNL
UV	2	2	VTU
BV	2	2	VTU
VT	3	3	VTU
CV(VT)	1	1	help needed
PR	1	3	TRIUMF, BNL
CAL	1	2(3)	BNL, Yale
Inner liner	0	2	Perugia
OV	0	2	TRIUMF, BNL
CV(DS pipe)	1	1	help needed
DS magnet veto	2	2	help needed
Far DS veto	1	2	help needed
Catcher	0	3	Kyoto
UV ≡ Upstream veto			BV ≡ barrel veto
VT ≡ Vacuum Tank			CV ≡ charge veto
OV ≡ Outer Veto around PR			

Status			
	Rating		
Item	28Feb03	8Jan04	Who
Event display	0	3	BNL,TRIUMF
Readout modelling	0	1	BNL+
Consolidation*	0	0	help needed
Digitization	0	0	help needed
Trigger	0	0	help needed
Recon. program	0	0	IHEP,TRIUMF
merge GEANT/FastMC	0	1	Perugia
Standalone simulations			
FLUKA γN	0	—	IHEP
Readout modelling	0	—	BNL,TRIUMF,ASU

We also need contribution from users who try to produce results from current MC.

* Consolidation explained on next page.

Plan from MC to analysis



Monte Carlo

Analysis

JHITS energy deposits

PREDIGI collect energy deposits

CONSOLIDATION associate PREDIGI hits with counters